

Converting Colors

CIELCh(32, 16.412, 116.631)

Have a look what the booklet for
CIELCh(32, 16.412, 116.631)
contains.

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Color

CIELCh(32, 16.444, 117.218)

Conversions

Conversions Part 1

Format	Color
Hex	484E34
RGB	72, 78, 52
RGB Percent	28%, 31%, 20%
CMY	0.7174, 0.6939, 0.7959
CMYK	0.08, 0.00, 0.33, 0.69
HSL	74°, 20%, 26%
HSV	74°, 33%, 31%
XYZ	6.0262, 7.0852, 4.3052
YIQ	73.2420, 4.7700, -9.3580

Conversions

Conversions Part 2

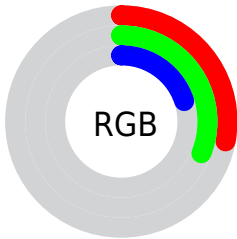
Format	Color
R_{YB}	52, 78, 58
Decimal	4738612
CIE Lab	32.00, -7.52, 14.62
CIE LCh	32, 16.444, 117.218
Yxy	7.0852, 0.3460, 0.4068
Android (android.graphics.Color)	4282928692 (0xFF484E34)
YUV	73.2420, -10.4723, -1.0892
Hunter-Lab	26.6180, -6.1698, 9.0431

Details

The CIELCh color **32, 16.444, 117.218** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **23, 17.558, 301.528**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 16.300, 117.133**, and **12, 16.640, 116.463** is the 20% darker color. If you saturate the color by 10%, you get **32, 21.222, 116.649**, and if you desaturate by 10%, it is **32, 11.561, 117.812**.

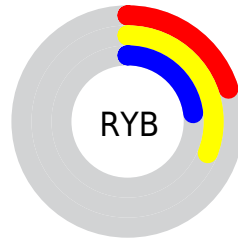
Distribution



Red (28%)

Green (31%)

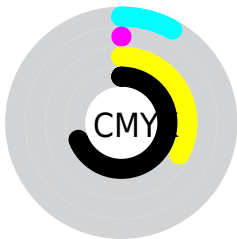
Blue (20%)



Red (20%)

Yellow (31%)

Blue (23%)

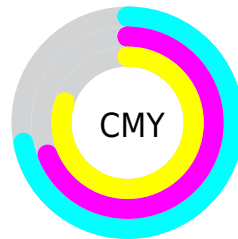


Cyan (8%)

Magenta (0%)

Yellow (33%)

Black (69%)



Cyan (72%)


Magenta (69%)


Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 16.444, 117.218 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 32, 16.444, 117.218 by changing the saturation by 10% instead.


 32, 16.444,
117.218


 32, 16.444,
117.218

 100, 16.444,
117.218


 22, 16.444,
117.218

 52, 16.444,
117.218


 12, 16.444,
117.218


 62, 16.444,
117.218

 2, 16.444, 117.218

 72, 16.444,
117.218

 0, 16.444, 117.218

 82, 16.444,
117.218

 92, 16.444,
117.218

■ 32, 16.444,
117.218

■ 32, 16.444,
117.218

■ 32, 21.222,
116.649

■ 32, 11.561,
117.812

■ 31, 25.826,
116.123

■ 33, 6.617, 118.406

■ 31, 30.161,
115.681

■ 33, 1.645, 118.994

■ 33, 3.333, 299.547

■ 31, 34.093,
115.374

■ 34, 8.300, 300.089

■ 31, 37.449,
115.267

■ 34, 13.243,
300.602

■ 31, 40.265,
115.334

■ 35, 18.154,
301.085

■ 30, 42.290,
115.278

■ 35, 23.024,
301.539

■ 36, 27.849,

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32, 16.444, 117.218



23, 17.558, 301.528

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32, 16.444, 117.218



32, 16.444, 167.218



32, 16.444, 297.218



32, 16.444, 347.218

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32, 16.445, 117.221



43, 6.203, 118.580



26, 10.676, 40.910



21, 4.178, 118.537



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32, 16.445, 117.221



41, 24.493, 116.751



31, 18.455, 134.800



15, 2.728, 118.682



40, 50.977, 115.700



85, 92.625, 116.538

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23, 17.558, 301.528



28, 26.657, 302.256



25, 18.846, 317.548



14, 2.776, 299.692



10, 66.566, 307.986



30, 121.393, 307.437

Previews

White Background



This preview shows how the CIELCh color 32, 16.444, 117.218 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 32, 16.444, 117.218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

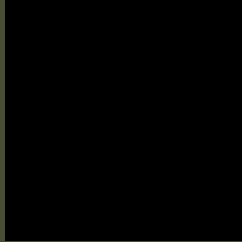
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

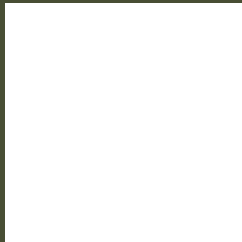
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 16.444, 117.218

Background



This preview shows how black text looks on a background with the CIELCh color 32, 16.444, 117.218.



This preview shows how white text looks on a background with the CIELCh color 32, 16.444, 117.218.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

32, 16.444, 117.218

Protanopia

32, 15.328, 96.454

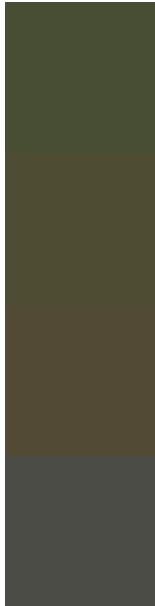
Deuteranopia

32, 14.720, 73.587



Tritanopia
32, 3.204, 298.384

Trichromacy



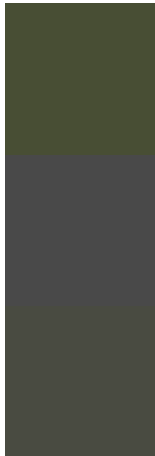
Original Color
32, 16.444, 117.218

Protanomaly
32, 15.650, 103.785

Deuteranomaly
32, 13.940, 89.514

Tritanomaly
32, 3.812, 116.198

Monochromacy



Original Color
32, 16.444, 117.218

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 6.387, 117.184

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 16.444, 117.218 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(72, 78, 52)` looks like.

```
.text, #text, p{  
    color:rgb(72, 78, 52)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(72, 78, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 78, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 16.444, 117.218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(72, 78, 52) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(72, 78, 52) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(72, 78, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 78, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 78, 52);  
box-shadow:4px 4px 4px 4px rgb(72, 78, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 16.444, 117.218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 78, 52) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(72, 78,  
52) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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